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OM nucleic - nucleic search, using sw model

Run on: March 17, 2001, 20:02:33 ; Search time 67.27 Seconds
(without alignments)
5174.762 Million cell updates/sec

Title: US-09-456-306-1
Perfect score: 2160
Sequence: 1 tttagggcgatctcttgagg.....ggtgccatgagatgcct 2160

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 280836 seqs, 80580151 residues

Total number of hits satisfying chosen parameters: 561672

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/plodata/2/lna/5A_COMB.seq:*
2: /cgn2_6/plodata/2/lna/5B_COMB.seq:*
3: /cgn2_6/plodata/2/lna/6_COMB.seq:*
4: /cgn2_6/plodata/2/lna/PCITUS_COMB.seq:*
5: /cgn2_6/plodata/2/lna/backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	87.2	4.0	260	US-08-735-545-24	Sequence 24, Appl
2	60.8	2.8	2641	US-08-452-075-1	Sequence 1, Appl
3	49.4	2.3	2365	US-08-363-208-1	Sequence 1, Appl
4	48.2	2.2	1969	US-07-737-851-1	Sequence 1, Appl
5	48.2	2.2	1969	US-07-737-851-2	Sequence 2, Appl
6	48.2	2.2	1969	US-07-737-851-3	Sequence 3, Appl
7	48.2	2.2	1969	US-07-894-062-1	Sequence 1, Appl
8	48.2	2.2	1969	US-07-894-062-2	Sequence 2, Appl
9	48.2	2.2	1969	US-07-894-062-3	Sequence 3, Appl
10	47.6	2.2	2156	US-08-321-356-1	Sequence 1, Appl
11	47.6	2.2	2156	US-08-321-356-3	Sequence 3, Appl
12	47	2.2	1882	US-08-458-120-1	Sequence 1, Appl
13	47	2.2	1882	US-08-458-120-1	Sequence 1, Appl
14	44.4	2.1	1728	US-08-403-866-12	Sequence 12, Appl
15	44.4	2.1	2231	US-08-403-866-11	Sequence 14, Appl
16	44.4	2.1	12720	US-08-403-866-11	Sequence 11, Appl
17	42.4	2.0	994	US-08-600-993A-57	Sequence 57, Appl
18	39	1.8	2793	US-08-209-747-1	Sequence 1, Appl
19	39	1.8	2793	US-08-458-298-1	Sequence 1, Appl
20	38.4	1.8	993	US-08-245-511-57	Sequence 57, Appl
21	37.4	1.7	7218	US-08-232-463-14	Sequence 14, Appl
22	37	1.7	1659	US-07-662-223-1	Sequence 1, Appl
23	34.6	1.6	3468	US-07-951-715A-2	Sequence 2, Appl
24	34.6	1.6	3468	US-08-459-448A-2	Sequence 2, Appl
25	34.6	1.6	3468	US-08-459-595A-2	Sequence 2, Appl
26	34.6	1.6	3468	US-08-459-504B-2	Sequence 2, Appl
27	34.6	1.6	3468	US-08-459-444-2	Sequence 2, Appl
28	34.6	1.6	3468	US-09-053-549-3	Sequence 3, Appl

29	33.8	1.6	1353	2	US-08-611-280-1	Sequence 1, Appl
30	33.8	1.6	2824	2	US-09-010-928B-3	Sequence 3, Appl
31	33.2	1.5	2538	1	US-07-839-433-1	Sequence 1, Appl
32	33.2	1.5	13987	2	US-08-804-227C-13	Sequence 13, Appl
33	33.2	1.5	44377	2	US-08-804-227C-7	Sequence 7, Appl
34	33.2	1.5	44377	2	US-08-804-198-1	Sequence 1, Appl
35	32.8	1.5	2214	3	US-08-864-038A-1	Sequence 1, Appl
36	32.8	1.5	3311	3	US-08-864-038A-2	Sequence 2, Appl
37	32.8	1.5	3311	3	US-08-864-038A-4	Sequence 4, Appl
38	32.8	1.5	3468	1	US-07-951-715A-4	Sequence 4, Appl
39	32.8	1.5	3468	1	US-07-951-715A-8	Sequence 8, Appl
40	32.8	1.5	3468	2	US-08-459-448A-4	Sequence 4, Appl
41	32.8	1.5	3468	2	US-08-459-448A-8	Sequence 8, Appl
42	32.8	1.5	3468	3	US-08-459-595A-4	Sequence 4, Appl
43	32.8	1.5	3468	3	US-08-459-595A-8	Sequence 8, Appl
44	32.8	1.5	3468	3	US-08-459-504B-4	Sequence 4, Appl
45	32.8	1.5	3468	3	US-08-459-504B-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-735-545-24/c
Sequence 24, Application US/08735545
Patent No. 6025131
GENERAL INFORMATION:
APPLICANT: Van Dyk, Tina K.
TITLE OF INVENTION: A Facile Method for
TITLE OF INVENTION: Identifying Regulated
TITLE OF INVENTION: Promoters
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS
ADDRESSEE: AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: UNITED STATES OF AMERICA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WINDOWS 3.1
SOFTWARE: MICROSOFT WORD 2.0C
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/735,545
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA A.
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: CR-9989
TELEPHONE: 302-892-8112
TELEFAX: 302-773-0164
INFORMATION FOR SEQ. ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 260 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: lower
STRAIN: dpd3509

Query Match 4.0% Score 87.2; DB 3; Length 260;
Best Local Similarity 58.5%; Pred. No. 9.9e-18;
Matches 152; Conservative 0; Mismatches 108; Indels 0; Gaps 0;


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?      REGISTRATION NUMBER: 20,152
?      REFERENCE/DOCKET NUMBER: 01911-001
?      TELECOMMUNICATION INFORMATION:
?      TELEPHONE: (504)275-8689
?      INFORMATION FOR SEQ. ID NO.: 1:
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 2365 base pairs
?      TYPE: nucleic acid
?      STRANDEDNESS: double
?      TOPOLOGY: linear
?      MOLECULE TYPE: DNA (genomic)
?      OS-08-363-208-1

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Query Match	2.38;	Score 49.4;	DB 1;	Length 2365;
Best Local Similarity	50.28;	Pred. No. 2.1e-05;		
Matches 122; Conservative	0;	Mismatches 121;	Indels 0;	Gaps 0;

QY	1494	gcgggggcaac	tcgagaa	tcgcggaggga	aacgcgcga	actctt	gtgttc	atccgcga	gcgcgcgc	1553
Db	1782	gcggcgcaag	tttca	catmtt	caaa	aaac	caagc	actggc	cttcat	ctccga
QY	1554	acga	tggc	ta	acgt	ctgc	ctca	tcgc	at	tg
Db	1842	cgctttgcga	attttgc	acttttgc	cttcc	ctcg	at	tgga	gcctt	gcagta
QY	1614	gtgacgcga	tg	tg	tg	tg	tg	tg	tg	tg
Db	1902	gtttgtg	cat	att	tg	ac	gcga	at	tg	ga
QY	1674	aagc	tcg	ca	ca	ca	ca	ca	ca	ca
Db	1962	ctgtt	gcga	at	tttgc	acga	at	tg	ga	at
QY	1736	aag	1736							
Db	2022	atg	2024							

RESULT 34
 US-07-737-851-1
 Sequence 1, Application US/07737851
 Patent No. 573180
 GENERAL INFORMATION:
 APPLICANT: Gabriele Dietrich
 TITLE OF INVENTION: Imdiazolone Resistanty
 TITLE OF INVENTION: AHAS Mutants
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Karen A. Lowney
 ADDRESSEE: American Cyanamid Company
 STREET: 1937 West Main Street
 STREET: P.O. Box 60
 CITY: Stamford
 STATE: Connecticut
 COUNTRY: USA
 ZIP: 06904-0060
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Disk
 COMPUTER: IBM PC AT
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: ASCII from IBM DW 4
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/737, 851
 FILING DATE: 19910731
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Lowney, Karen A.
 REGISTRATION NUMBER: 31,274
 REFERENCE/DOCKET NUMBER: 31,440

```

: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 203 321 2361
: TELEFAX: 203 321 2971
: TELE: 710 474 4059
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1969 bp's and 638 Amino Acids
: TYPE: NUCLEOTIDE AND AMINO ACID
: STRANDEDNESS: Single
: TOPOLOGY: Linear
: MOLECULE TYPE: DNA and Protein
: OS-07-737-851-1

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Query Match	2.28;	Score 48.2;	DB 1;	Length 1969;
Best Local Similarity	44.08;	Pred. No. 4.6e-05;		
Matches 203; Conservative	0;	Mismatches 258;	Indels 0;	Gaps 0

OY	459	caatttcgaatctggagagacgagcggttttgcacacggttcgagatcgtctgataccaggg	518
Db	358	CTTCTCCGCCACGAGCAAGGGGAGGACCTTTGCGGCTTCGCGCTACGCGCCCTCCTCGGGC	417
OY	519	gaagcttgcagatctgtcgtctctcttctgtgtctcgttgaaacacacacccgattcaagttctc	578
Db	418	CGCGTGGCGCTGTCAATCGCACCTCCGGGCCCCGGCCGCAACCACTTGTCTCCGGCTC	477
OY	579	tatgatttcgcatacgaaatggttgcgaaggttgttgcatacgctagacaaatctcgagtgc	638
Db	478	GCCGACGGGCTGTCTGATTCGGTCCCATGGTCCCATACGGGACAGTGGCCCGACGC	537
OY	639	cagatttgtcttgacgtctcttcacgaagaacgatactcgagatttgtttaaaggaaatgtctc	698
Db	538	ATGATTTGGCACCCGACCGCTTCCAGAGACAGCCCATTCGTCCAGGTACACCCGCTCATACCC	597
OY	699	ggttactctgcagatgtgtgaatgtgtgtgaagcagggtgaaacgcaatttgcataccagcgt	758
Db	598	AAGCAACAACCTACCTGGTCTTCGACGCTGCACACACATCCCGCGTCTCGAGAGCGCTTTC	657
OY	759	cagtcaccacatacgcgggtgtaaagttgttgcgtgtatgtatctctctgtgtatctgcctaa	818
Db	658	TTTCTCGCTTCTCTGTGTGACACCGGGGCCGGTGTTCGACATCCCAAGGACATCCAG	717
OY	819	gaagacgcaggttgacggttacttaattccaattcctaatacttctcttgcacctccgttgtg	878
Db	718	CAGCAGATGCGGCGTCTGTCTGGACCAAGCCATGTGATCGCTCGGTGATATGGCGGC	777
OY	879	ttcccgcatactactagagcttgcacgcgcttgttgaagccgat	939
Db	778	CTTCCCAAGCCCTCTGGCAGCTGAGTTCTTTTATGACGAGTGTCT	838

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1      RESULT 5
2      US-07-737-851-2
3      ; Sequence 2, Application US/07737851
4      ; Patent No. 5731180
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Gabriele Dietrich
7      ; TITLE OF INVENTION: Imidazolinone Resistant
8      ; TITLE OF INVENTION: AHAS Mutants
9      ; NUMBER OF SEQUENCES: 3
10     ; CORRESPONDENCE ADDRESS:
11     ; ADDRESSEE: Karen A. Lowmey
12     ; STREET: American Cyanamid Company
13     ; STREET: 1937 West Main Street
14     ; STREET: P.O. Box 60
15     ; CITY: Stamford
16     ; STATE: Connecticut
17     ; COUNTRY: USA
18     ; ZIP: 06904-0060
19     ; COMPUTER READABLE FORM:
20     ; MEDIA TYPE: Floppy Disk
21     ; COMPUTER: IBM PC AT
22     ; OPERATING SYSTEM: MS-DOS
23

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1

[illegible]


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; TOPOLOGY: Linear
; MOLECULE TYPE: DNA and Protein
US 07-894-062-2

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Query Match	2.2%	Score 48.2	DB 1	Length 1969
Best Local Similarity	44.0%	Pred. No. 4	6e-05	
Matches 203; Conservative	0	Mismatches 258	Indels 0	Gaps 0

QY	459	caagctcggaaatctggagaagcgcgcggcttcttgcacacgcggtccgagatccgtttgatcaactcgg	518
Db	358	CTCTTCGCCGACGAGCAAGGGGAGGCCCTTTGGCGGCTCTCCGGCTACGGGGCCCTCTCCGGGC	417
QY	519	gaagctgcagtaatgtctgcgtctcttctgtgtctctgtgaaacacacacotgatcaaggtctt	578
Db	418	CGCGTCGGCGCTCATTCACGCGCACCTCCGGCCCCGGCCGACCAACTGTTCTCCGGGCTC	477
QY	579	tatgattccgactcgaaatgtgtgcgaaggtgtttgacacgcgtacgcatcttcgcgaatggc	638
Db	478	GCCACACGGCGTGCCTCGATTCCTCGTCCCATGGTCCCATTCACGGGACACGGTCCGCGCAGC	537
QY	639	caagatggttctgcacgtctcttccagaagaaacgcaltccgagatatctgtttaaagaaatgctt	698
Db	538	ATGATTTGGACACGCAGCGCTTCCACAGAGACAGCGCCATCTGTCGAGGTCACCGCTCCATCACC	597
QY	699	ggttactcgcgaagatgtgtgaatgtgtgtgtgcagcaggtgtbaagcatttgcatacgcgatt	758
Db	598	AAGCACAACTACTCTGGTCTTCGACGAGTGCAGACATCCCGCGCTCGAGGAGGCTTTC	657
QY	759	cagtcacacatgcgcgtgttaaagtgtgtctggtgtgatgtatcttcctgtgtatctgcgtaa	818
Db	658	TTCCTCGCTCTCTGTGGTTCGACCGGGGCGGCTGCTTTGCACATCCCAAGGACATCCAG	717
QY	819	gaagaacgcaggtgcaggtgaacttaattccaatlccaatlcttctctctgcactcctgttggt	878
Db	718	CAGCAGATGGGGTGCTGCTGTTGAGCAAGCCCATGATGTGCTGGTGGATCATTTGGCGC	777
QY	879	ttcccgatcctactgaggtctgcagcgcgtgtgtgaagcagt	919
Db	778	CTTCCCAAGCCCTCTGCAGCTGAAGTTCTTGAGCAGGTGCT	818

RESULT 99
US-07-894-062-3
Sequence 3, Application US/07894062
Patent No. 5767361
GENERAL INFORMATION:
APPLICANT: Gabriele Elfriede Dietrich
TITLE OF INVENTION: Imidazolinone Resistant
TITLE OF INVENTION: AHAS Mutants
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Karen A. Lowmyer
ADDRESS: American Cyanamid Company
STREET: 1937 West Main Street
STREET: P.O. Box 60
CITY: Stamford
STATE: Connecticut
COUNTRY: USA
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII from IBM DW 4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/894,062
FILING DATE: 19920608
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/737,851
FILING DATE: 07/31/91
ATTORNEY/AGENT INFORMATION:

```

? NAME: Lowmey, Karen A.
? REGISTRATION NUMBER: 31,274
? REFERENCE/DOCKET NUMBER: 31440-01
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 203 321 2361
? TELEFAX: 203 321 2971
? TELEX: 710 474 4059
? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1969 BP/s and 638 Amino Acids
? TYPE: NUCLEOTIDE AND AMINO ACID
? STRANDEDNESS: Single
? TOPOLOGY: Linear
? MOLECULE TYPE: DNA and Protein
?
US-07-894-062-3

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Query Match	2.2%;	Score 48.2;	DB 1;	Length 1669;
Best Local Similarity	43.8%;	Pred. No. 4.6e-05;		
Matches 313;	Conservative	0;	Mismatches 393;	Indels 9;
				Gaps 2;

OY	459	caagttcgaatctgagggaagcggcgagcttttgcagccggttgcgaatccgtttgatactatg	518
Db	358	CTTTCGCCCCAGCAAGGGAAGGCGCTTTGCCGCCCTCCGGCTACGCGGCGCTCTCGGCG	417
OY	519	gagctgcgagatgtgtcgtcttcttctgtgtcctgtgaaacacacactgattcaaggtctt	578
Db	418	CGCGTCGGCGCTTCATTCGCGCACCTTCGGCGCGCGGCCACCAACTTAATCTCCGGGCTC	477
OY	579	tatgattcgacatcgaaatgtgtcgaaagtgtttgccaatcgatcgatatacttcagatgccc	638
Db	478	GCCGACGGCGTGTCTCGATTCGATTCGATCCGATCGGTCGCATACGSGAAGAGTCCGCGACCC	537
OY	639	cagatgtgttcgacggtcttcttcaggaagcgcacgcgcggagaattgtttaagaaatgctct	698
Db	538	ATGATTTGGCACCGACGCGCTTCCAGGACACGCCCATCGTCGAGGTCAACCCGCTCCATCAC	597
OY	699	ggttaacgtcgagatggtgtgaatgtgtgtgagcaggtgaaagcaatttgatacagcgtt	758
Db	598	AAGCAACAATCACTGCTGCTCTCGAGCTGACAGCATCCCGCGCTGTGAGAGAGGCTTTC	657
OY	759	cagtccacacatgacggtgtaaaagbtygtgtcggtgtgtagtgaattccgtgtgatatcgtaa	818
Db	658	TTTCMCGCCCTCTCTGTGCTGCACGAGGCGCCGCTCTGTGCACATCCCAAGACATCCAG	717
OY	819	gaagacgcaggtgacggttaacttaatccactatcttcttgcgaactccctgtbgtg	878
Db	718	CAGCAGATGGCGGTGCTGTCTGTGGACAAACCCATAGTCTGCTGGTAACTTGGGGCC	777
OY	879	tttcccgatcttaactgtgagctgtgcacgctgtgtgaagcgattaaacaagct-----a	930
Db	778	CTTCCCAAGCCCGCTCGACTGTGAGATTGCTGTGACAGAGTGCTGTGTTGTGTGATACG	837
OY	931	agctgtgcaacttgttctgtgcgtgtgcgggtgtgaagaatg-ctcgcgcgcaggtgtgttgaag	989
Db	838	CGGCGCCCTGTTTATTATGTGTGGCGGTGGCTGGCGACATCTGTGTAGGAGATTGGACCC	897
OY	990	tltgcgcgagaagaattaaatcacccatgcgcgcgtgcacgcgtgtgtgaagcagfatataccag	1048
Db	898	TTTGTGGAGCTGACTGGAATCCCGGCTACACACTACTTATGTGGCCTCGGCAACTTCCCC	957
OY	1050	catbagaatccgttttgagtcgcgcacgtctgcgccgtctgtgtgaacggcgccgtcgatgat	1105
Db	958	AGGCACACGCCACACTGCTCTGCGCATGCTAGTATGCATGAGACGGGTATGTCAATAATT	1011
OY	1110	ggcttcaaatbaggcgatctgcgtcatctcatatgtgtaagcgattcccatcttctg	1164
Db	1018	GCACTGAGATTAAGGCCGATCTGTTGCTTGCTTGCACTGTGGTGTCGCGGTTTGATGATCTGTG	1072

RESULT 10
US-08-321-356-1
; Sequence 1, Application US/08321356

Patent No. 5633437
GENERAL INFORMATION:
APPLICANT: Bernasconi, Paul
APPLICANT: Woodworth, Allison R.
TITLE OF INVENTION: GENE EXHIBITING RESISTANCE TO
TITLE OF INVENTION: ACETOLACTATE SYNTHASE INHIBITOR HERBICIDES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: SANDOZ AGRO INC.
STREET: 975 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,356
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Marcus-Wyner, Lynn
REGISTRATION NUMBER: 34869
REFERENCE/DOCKET NUMBER: 133-0720
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)354-3588
TELEFAX: (415)857-1125
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2156 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-321-356-1

Query Match 2.28; Score 47.6; DB 1; Length 2156;
Best Local Similarity 48.58; Pred. No. 7.4e-05;
Matches 162; Conservative 0; Mismatches 169; Indels 3; Gaps 1;
QY 341 cgcagaacaatlaattgacaccttggaagctcgaagctggaagcgaattatggttgc 400
DB 341 cgcagaacaatlaattgacaccttggaagctcgaagctggaagcgaattatggttgc 400
QY 401 ggggtgacagccttaacacgcgtggaagctggaagctggaagcgaattatggttgc 457
DB 401 ggggtgacagccttaacacgcgtggaagctggaagctggaagcgaattatggttgc 457
QY 458 gcaagctgcaaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 517
DB 458 gcaagctgcaaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 517
QY 461 tctccacacgctcagacacgacgacgacgacgacgacgacgacgacgacgacgacg 520
DB 461 tctccacacgctcagacacgacgacgacgacgacgacgacgacgacgacgacgacg 520
QY 518 ggaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 577
DB 518 ggaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 577
QY 578 ttaagctcgaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 637
DB 578 ttaagctcgaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 637
QY 638 ccaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 671
DB 638 ccaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 671
QY 641 aatgattggaacagatgcgtttcaagaaacccct 674
DB 641 aatgattggaacagatgcgtttcaagaaacccct 674
RESULT 11
US-08-321-356-3
Sequence 3, Application US/08321356
Patent No. 5633437

GENERAL INFORMATION:
APPLICANT: Bernasconi, Paul
APPLICANT: Woodworth, Allison R.
TITLE OF INVENTION: GENE EXHIBITING RESISTANCE TO
TITLE OF INVENTION: ACETOLACTATE SYNTHASE INHIBITOR HERBICIDES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: SANDOZ AGRO INC.
STREET: 975 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,356
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Marcus-Wyner, Lynn
REGISTRATION NUMBER: 34869
REFERENCE/DOCKET NUMBER: 133-0720
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)354-3588
TELEFAX: (415)857-1125
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2156 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
US-08-321-356-3

Query Match 2.28; Score 47.6; DB 1; Length 2156;
Best Local Similarity 48.58; Pred. No. 7.4e-05;
Matches 162; Conservative 0; Mismatches 169; Indels 3; Gaps 1;
QY 341 cgcagaacaatlaattgacaccttggaagctcgaagctggaagcgaattatggttgc 400
DB 341 cgcagaacaatlaattgacaccttggaagctcgaagctggaagcgaattatggttgc 400
QY 401 ggggtgacagccttaacacgcgtggaagctggaagctggaagcgaattatggttgc 457
DB 401 ggggtgacagccttaacacgcgtggaagctggaagctggaagcgaattatggttgc 457
QY 458 gcaagctgcaaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 517
DB 458 gcaagctgcaaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 517
QY 461 tctccacacgctcagacacgacgacgacgacgacgacgacgacgacgacgacgacg 520
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QY 578 ttaagctcgaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 637
DB 578 ttaagctcgaatggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 637
QY 638 ccaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 671
DB 638 ccaagctggaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcgaagcga 671
QY 641 aatgattggaacagatgcgtttcaagaaacccct 674
DB 641 aatgattggaacagatgcgtttcaagaaacccct 674
RESULT 12
US-08-456-120-1
Sequence 1, Application US/08458120
Patent No. 5635616
GENERAL INFORMATION:


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Query Match	2.1%	Score	44.4	DB	1	Length	1728
Best Local Similarity	52.7%	Pred. No.	0.00065				
Matches	96	Conservative	0	Mismatches	86	Indels	0
						Gaps	0

[illegible]

RESULT 15
 US-08-403-866-14
 : Sequence 14, Application US/08403866
 : Patent No. 5643779
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Ethlich, Stanislaw
 : APPLICANT: Godon, Jean-Jacques
 : APPLICANT: Renault, Pierre
 :
 : TITLE OF INVENTION: Nucleic acid coding for an alpha-acetolactate
 : TITLE OF INVENTION: synthase from Lactococcus and its applications
 :
 : NUMBER OF SEQUENCES: 16
 :
 : COMPUTER READABLE FORM:
 :
 : MEDIUM TYPE: Floppy disk
 :
 : COMPUTER: IBM PC compatible
 :
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.25
 :
 : CURRENT APPLICATION DATA:
 :
 : APPLICATION NUMBER: US/08/403,866
 :
 : FILING DATE:
 :
 : CLASSIFICATION: 435
 :
 : ATTORNEY/AGENT INFORMATION:
 :
 : NAME: Goldman, Michael L.

REGISTRATION NUMBER: 30, 727
 REFERENCE/DOCKET NUMBER: 20747/30
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (716) 263-1600
 TELEFAX: (716) 263-1487
 TELEEX: 978450 (WOT)
 INFORMATION FOR SEO ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2231 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHEetical: NO
 ORIGINAL SOURCE:
 ORGANISM: *Lactococcus lactis* subsp. *lactis*
 INDIVIDUAL ISOLATE: 11VEN

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Query Match      2.18; Score 44.4; DB 1; length 2231;
Best Local Similarity 52.78; Pred. NO. 0.00075; "
Matches 96; Conservative 0; Mismatches 86; Indels 0; Gaps 0;
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Search completed: March 17, 2001, 21:10:19
Job time: 4066 sec

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